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(74) Agent: CULLMAN, Louis, C.; Preston Gates & Ellis, LLP, 1900 Main Street, Suite 600, Irvine, CA 92614-7319 (US).

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(71) Applicant (for all designated States except US): EPINEX DIAGNOSTIC, INC. [—/US]; 13408 Randsberg Street, Cerritos, CA 90703 (US).

(72) Inventors; and

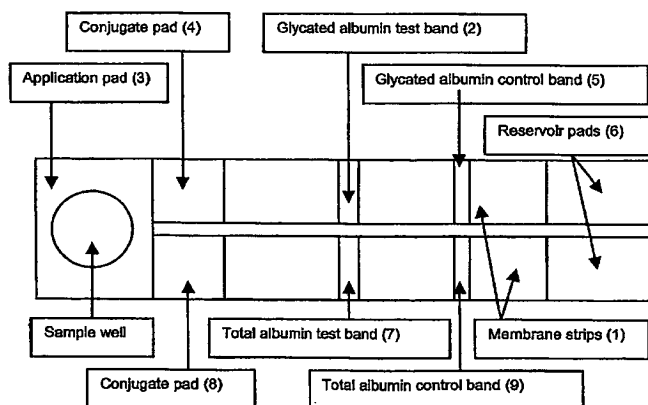
(75) Inventors/Applicants (for US only): SMITH, Henry, J. [US/US]; 2083 East Washington Avenue, San Jacinto, CA 92583 (US). ZAIDI, Asad [US/US]; 13408 Randsberg Street, Cerritos, CA 90703 (US).

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(54) Title: RAPID TEST FOR GLYCATED ALBUMIN



Test Strips: Overhead View

(57) Abstract: A rapid immunochromatographic assay system is provided for measuring both glycated albumin and total albumin. The immunochromatographic assay system is comprised of a cassette that contains the test strips and testing reagents and a measurement device that automatically reads, calculates and displays the test results. The test strip comprises a solid phase support (1) to which antibody to glycated albumin has been fixed to the support as a band (2). A sample application pad (3) contacts a conjugate pad (4) containing microparticles coated with anti-glycated albumin antibody. A control band (5) is provided to bind excess unreacted microparticles. A reservoir pad (6) is provided at the distal end to absorb excess sample fluid. The measurement device can be either a reflectance spectrometer or fluorometer. The level of glycated albumin is expressed as a percentage of the total albumin present in blood. The results of tests that are performed over a period of time are stored in the instrument's memory and presented in a numerical or graphical format so that an individual patient's glycated albumin level can be monitored over time.

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